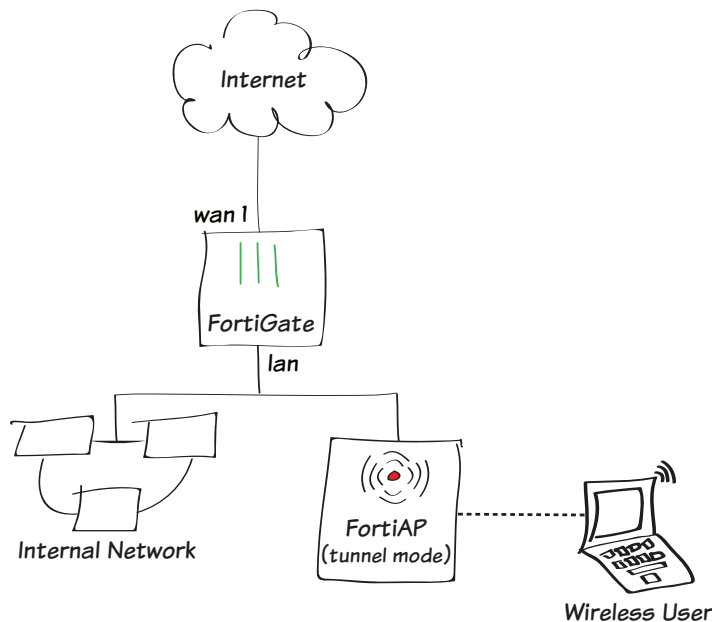


# Using a FortiAP in Bridge mode to add wireless access

You can configure a FortiAP unit in either Tunnel mode or Bridge mode. When a FortiAP is in Tunnel mode, a wireless-only subnet is used for wireless traffic. When a FortiAP is in Bridge mode, the Ethernet and WiFi interfaces are connected (or bridged), allowing wired and wireless networks to be on the same subnet. Tunnel mode is the default mode for a FortiAP.

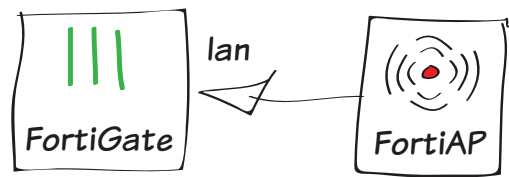
In this example, a FortiAP unit is connected to and managed by a FortiGate unit in Bridge mode. For information about using a FortiAP in Tunnel mode, see [“Using a FortiAP in Tunnel mode to add wireless access” on page 69](#).


1. Connecting and authorizing the FortiAP unit
2. Creating an SSID
3. Creating a custom FortiAP profile
4. Results






1. Connecting and authorizing the FortiAP unit

Connect the FortiAP unit to the the **lan** interface.







Go to **WiFi Controller > Managed Access Points > Managed FortiAPs**. The FortiAP is listed, with a  beside it because the device is not authorized.

Mesh	Access Point	State	Connected Via
	FAP11C3X13000412		 192.168.10.2



The FortiAP may not appear until a few minutes have passed.

Highlight the FortiAP unit on the list and select **Authorize**. A  is now shown beside the FortiAP, showing that it is authorized but not yet online.

Mesh	Access Point	State	Connected Via
	FAP11C3X13000412		 192.168.10.2

2. Creating an SSID

Go to **WiFi Controller > WiFi Network > SSID** and create a new SSID.

Set **Traffic Mode** to **Local bridge with FortiAP's Interface**.

Set the **WiFi Settings** as required, including a secure **Pre-shared Key**.

Interface Name	wireless
Type	WiFi SSID
Traffic Mode	Local bridge with FortiAP's Interf...
WiFi Settings	
SSID	myWiFi
Security Mode	WPA2 Personal
Pre-shared Key	..... (8 - 63 characters)
Allow New WiFi Client Connections When Controller Is Down	<input type="checkbox"/>
Maximum Clients	<input type="checkbox"/>
Optional VLAN ID	0

### 3. Creating a custom FortiAP profile

Go to **WiFi Controller > WiFi Network > FortiAP Profiles** and create a new profile.

Set **Platform** to the correct FortiAP model you are using (FAP11C in the example).

Set **SSID** to use the new SSID.

Name: myprofile

Comments: Write a comment... 0/255

Platform: FAP11C

**Radio 1**

Mode: ☐ Disable ☒ Access Point

Spectrum Analysis: ☐

WIDS Profile: Click to set...

Radio Resource Provision: ☐

Client Load Balancing: ☐ Frequency Handoff ☐ AP Handoff

Band: 2.4GHz 802.11n/g/b

Channel: ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☒ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☒ 11

Auto TX Power Control: ☒ Disable ☐ Enable

TX Power: 100 %

SSID: wireless (SSID: myWiFi)

Go to **WiFi Controller > Managed Access Points > Managed FortiAPs** and edit the FortiAP. Set **FortiAP Profile** to use the new profile.


**Wireless Settings**

FortiAP Profile: myprofile ☐ Override Settings

**Radio Settings Summary**

Radio	Settings	Channels	SSIDs
Radio 1	AP (2.4 GHz Band)	1, 6, 11	wireless (SSID: myWiFi)

### 5. Results

Go to **WiFi Controller > Managed Access Points > Managed FortiAPs**. A  now appears beside the FortiAP, showing that the unit is authorized and online.

Connect to the SSID with a wireless device. After a connection is established, you are able to browse the Internet.

Mesh	Access Point	State	Connected Via
	FAP11C3X13000412		 192.168.10.2